

unsaturated polyester (UP) resins, melamine resins, vinyl ester resins, acrylate resins and phenolic resins.

87. The device of claim 75 wherein the inorganic spherical matrix particles are made of a material selected from the group consisting of aluminium, copper, iron, steel, titanium, platinum, manganese, zinc, bronze and other metal alloys, coal, glass, ceramic, quartz, silica, silicon carbide, tungsten carbide, boron carbide, metakaolin, calcinated clay, chinese clay, calcium carbonate, barium sulfate, aluminium oxide, and magnesium oxide.
- 10 88. The device of claim 75 wherein the spherical inorganic matrix particles have a mean particle diameter of from about 5 to about 80  $\mu\text{m}$ .
- 15 89. The device of claim 75 wherein the spherical inorganic matrix particles have a mean particle diameter of from about 10 to less than about 50  $\mu\text{m}$ .
90. The device of claim 75 wherein the spherical inorganic matrix particles have a mean particle diameter of about 25 to about 40  $\mu\text{m}$ .
- 20 91. The device of claim 75 wherein at least about 80 wt-% of the spherical inorganic matrix particles have a particle size which does not deviate more than about 15 % from the average particle size.
- 25 92. The device of claim 75 wherein at least about 85 wt-% of the spherical inorganic matrix particles have a particle size which does not deviate more than about 15 % from the average particle size.

93. The device of claim 75 wherein at least about 98 wt-% of the spherical inorganic matrix particles have a particle size which does not deviate more than about 15 % from the average particle size.

- 5 94. The device of claim 75 made from a mixture which further comprises a chemical foaming agent.

95. The device of claim 94 wherein the chemical foaming agent is selected from the group consisting of  $\text{NH}_4\text{HCO}_3$  and  $\text{Ca}(\text{H}_2\text{PO}_4)_2$ .

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96. The device of claim 94 made from a mixture wherein the chemical foaming agent is present in an amount of from about 0.1 to about 2 % by weight, based on the total amount of the composition.

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97. The device of claim 94 made from a mixture wherein the chemical foaming agent is present in an amount of from about 0.1 to about 1 % by weight, based on the total amount of the composition.

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98. A deep-drawing mold comprising a duct and a shaped porous part comprising

(i) a minor amount of a binder and

(ii) a major amount of spherical inorganic particles,

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the surface of which, at the point where the fluid flows through, carries a finely porous surface and on the other surface areas a fluid-impermeable closing means, which are interrupted by at least one duct connection opening.

99. The deep-drawing mold of claim 98 wherein the surface, at the point where the fluid flows through, is structured.